

Quiz Date: 24th June 2020

Directions (1-15): In the following number series only one number is wrong. Find out the wrong number.

Q1. 8835, 9023, 9213, 9405, 9598, 9795

- (a) 9023
- (b) 9598
- (c) 9213
- (d) 9795
- (e) 8835

Q2. 1250, 500, 200, 80, 33, 12.8

- (a) 80
- (b) 12.8
- (c) 33
- (d) 500
- (e) 1250

Q3. 1716, 2185, 2730, 3360, 4080, 4896

- (a) 2185
- (b) 2730
- (c) 3360
- (d) 4896
- (e) 1716

Q4. 137, 274, 411, 548, 684, 822, 959

- (a) 959
- (b) 411
- (c) 274
- (d) 684
- (e) 822

Q5. 8, 12, 18, 27, 40.5, 60, 91.125

- (a) 8
- (b) 18
- (c) 60
- (d) 91.125
- (e) 12

Q6. 3.7, 8.7, 23.7, 48.7, 84.7, 128.7

- (a) 23.7
- (b) 48.7
- (c) 84.7
- (d) 128.7
- (e) 8.7



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Q7. 1, 14, 31, 64, 133, 264

- (a) 14
- (b) 31
- (c) 264
- (d) 133
- (e) 64

Q8. 2, 1, 1, 2, 8, 32, 1024

- (a) 32
- (b) 2
- (c) 8
- (d) 1
- (e) 1024



Q9. 168, 288, 360, 528, 841, 960

- (a) 168
- (b) 841
- (c) 288
- (d) 360
- (e) 528

Q10. 7.2, 72, 9, 54, 13.5, 28

- (a) 72
- (b) 9
- (c) 28
- (d) 13.5
- (e) 54

Q11. 1.375, 1.25, 2.625, 3.875, 6.575, 10.375, 16.875

- (a) 6.575
- (b) 1.25
- (c) 10.375
- (d) 2.625
- (e) 16.875

Q12. 2478, 819, 257, 84, 24, 5

- (a) 257
- (b) 24
- (c) 5
- (d) 819
- (e) 84

Q13. 199, 176, 195, 180, 190, 184, 187

- (a) 180
- (b) 190
- (c) 184
- (d) 187
- (e) 199

Q14. 258, 130, 66, 34, 18, 8, 6

- (a) 8
- (b) 18
- (c) 6
- (d) 130
- (e) 34

Q15. 4, 10, 22, 46, 96, 190, 382

- (a) 8
- (b) 10
- (c) 96
- (d) 382
- (e) 190

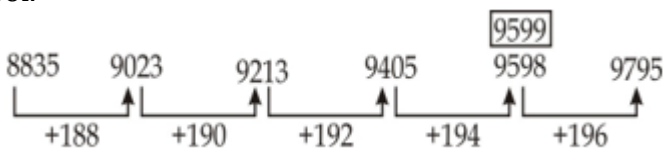
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Solutions

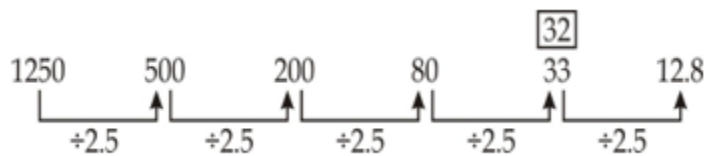
S1. Ans.(b)

Sol.



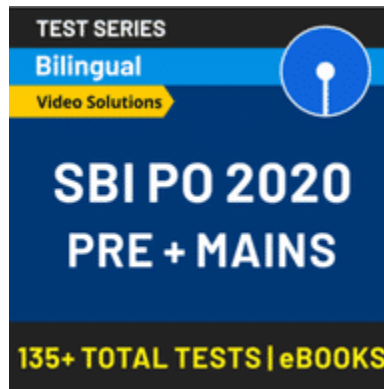
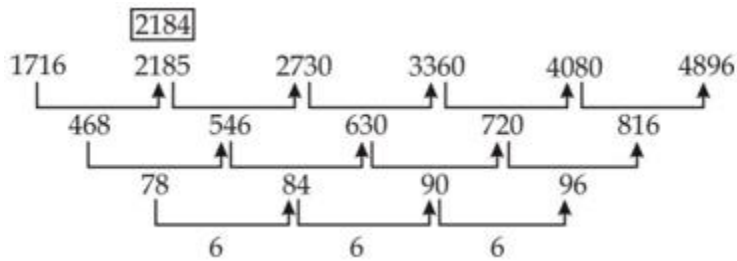
S2. Ans.(c)

Sol.



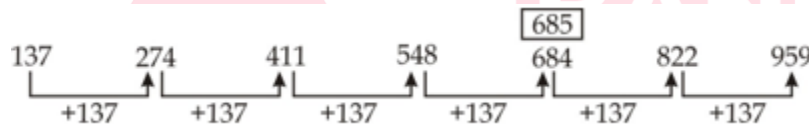
S3. Ans.(a)

Sol.



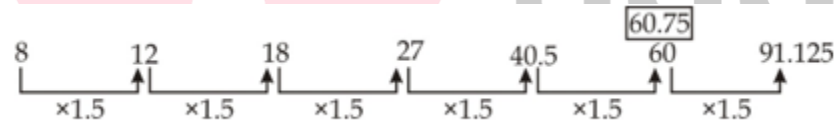
S4. Ans.(d)

Sol.



S5. Ans.(c)

Sol.



S6. Ans.(c)

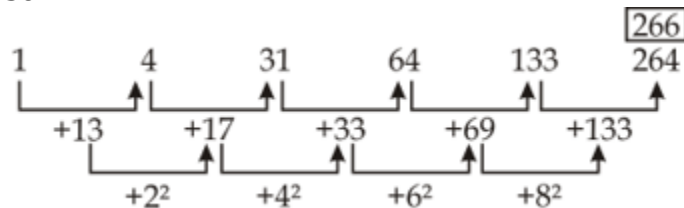
Sol.

Series is +5, +15, +25, +35, +45

∴ wrong term = 84.7

S7. Ans.(c)

Sol.



S8. Ans.(a)

Sol.

Series is $\times 0.5, \times 1, \times 2, \times 4, \times 8, \times 16$

\therefore Required term = 8×8

= $64 \neq 32$

S9. Ans.(b)

Sol.

Series is $13^2 - 1, 17^2 - 1, 19^2 - 1, 23^2 - 1, 31^2 - 1$

\therefore wrong term = 841

S10. Ans.(c)

Sol.

Series is $\times 10, \div 8, \times 6, \div 4, \times 2$

\therefore Wrong term = 28

S11. Ans.(a)

Sol.

$$1.25 + 1.375 = 2.625$$

$$2.625 + 1.25 = 3.875$$

$$3.875 + 2.625 = 6.5$$

$$6.5 + 3.875 = 10.375$$

$$10.375 + 6.5 = 16.875$$

S12. Ans.(a)

Sol.

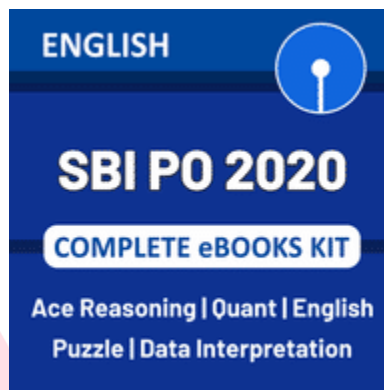
The series is $\div 3 - 7, \div 3 - 6, \div 3 - 5, \div 3 - 4, \div 3 - 3$

S13. Ans.(b)

Sol.

The series is $- 23, + 19, -15, + 11, -7, + 3, \dots$

S14. Ans.(a)



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Sol.

Wrong number = 8

The pattern of series -

$$\begin{array}{cccccc} 258 & 130 & 66 & 34 & 18 & 10 & 6 \\ \hline & \times \frac{1}{2} + 1 & \times \frac{1}{2} + 1 & \times \frac{1}{2} + 1 & \times \frac{1}{2} + 1 & \times \frac{1}{2} + 1 & \times \frac{1}{2} + 1 \end{array}$$

10 should be place of 8

S15. Ans.(c)

Sol.

Wrong number = 96

Pattern of series -

$$4 \times 2 + 2 = 10$$

$$10 \times 2 + 2 = 22$$

$$22 \times 2 + 2 = 46$$

$$46 \times 2 + 2 = 94$$

$$94 \times 2 + 2 = 190$$

$$190 \times 2 + 2 = 382$$

94 should be place of 96



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